

ABSTRACT OF THE DISCLOSURE

An optical pickup includes a light source emitting a laser beam and an optical path changing unit altering a traveling path of an incident beam. An objective lens, disposed on an optical path between the optical path changing unit and an optical disk, focuses the incident beam from the light source to form a light spot on the optical disk of the objective lens. The optical pickup further includes a photodetector and an detecting-correcting unit, arranged on the optical path between the optical path changing unit and the objective lens, performing at least one of detecting the thickness of the optical disk and correcting aberration caused by thickness variations of the optical disk. The objective lens includes a first transmitting portion divergently transmitting an incident beam, where the first transmitting portion is at a relatively near-axis region from an optical axis of the objective lens. A second transmitting portion transmits the incident beam, where the second transmitting portion is arranged facing the first transmitting portion. A first reflecting portion condenses and reflects the incident beam from the first transmitting portion, where the first reflecting portion is formed around the second transmitting portion. A second reflecting portion condenses and reflects the incident beam from the first reflecting portion towards the second transmitting portion, where the second reflecting portion is formed around the first transmitting portion.